

Having thus described the invention, it is so claimed:

1. A container for an oil dispenser comprising, a bucket for oil to be dispensed, said bucket having a bottom, a sidewall and an annular upper end, a pan in said bucket and having an apertured bottom spaced above the bottom of said bucket, a sidewall inwardly of the sidewall of said bucket and an upper end overlying and slidable circumferentially relative to the upper end of said bucket, and the bucket and pan including means interengaging during relative sliding displacement therebetween to releasably interengage the bucket and pan against separation.

2. A container according to claim 1, wherein said bucket includes an outlet for the flow of oil therefrom, said outlet extending upwardly and outwardly at an acute angle to horizontal.

3. A container according to claim 1, and an annular seal interposed between said upper end of said bucket and said upper end of said pan.

4. A container according to claim 1, wherein said bucket is plastic and includes diametrically opposed bail supports adjacent the upper end thereof, each said bail support including a wall member of plastic material on said bucket and a bail plate of metal on said wall member, and a bail for lifting the bucket and having opposite ends each interengaged with the bail plate of a different one of said bail supports.

5. A container according to claim 4, wherein said bail plate has intersecting vertical and horizontal slots therethrough, the horizontal slot having a length greater than the length of the vertical slot, each end of said bail being U-shaped and terminating in a leg having a length shorter than the length of said horizontal slot and longer than the length of said vertical slot.

6. A container according to claim 5, wherein said bail plate has outer and inner sides and a pair of fingers spaced above said vertical slot and extending inwardly of said inner side, said pair

of fingers being spaced apart horizontally to provide a space therebetween, and said leg of said bail end extending into said space to preclude pivotal displacement between said bucket and bail when said bail supports the bucket.

7. A container according to claim 6, wherein said bail plate is embedded in said wall member.

8. A container according to claim 1, wherein said interengaging means includes a pair of diametrically opposed first locking members on said pan and a pair of diametrically opposed second locking members on said bucket.

9. A container according to claim 8, further including a bail support adjacent each of said second locking members, and a bail for lifting said bucket, said bail having opposite ends each interengaged with a different one of the bail supports.

10. A container according to claim 9, wherein said bail support has intersecting vertical and horizontal slots therethrough, the horizontal slot having a length greater than the length of the vertical slot, each end of said bail being U-shaped and terminating in a leg having a length shorter than the length of said horizontal slot and longer than the length of said vertical slot.

11. A container according to claim 10, wherein each said bail support has outer and inner sides and a pair of fingers spaced above said vertical slot and extending inwardly of said inner side, said pair of fingers being spaced apart horizontally to provide a space therebetween, said vertical slot having an upper end engaging with the bight of the corresponding bail end for said bail to support said bucket, and said leg of said bail end extending into said space to preclude pivotal displacement between said bucket and bail when said bail supports the bucket.

12. A container according to claim 1, wherein said bottom of said bucket has a recess extending radially toward said sidewall of said bucket, a bulkhead fitting extending through said sidewall of said bucket and having inner and outer ends relative to said sidewall, said inner end being at the radially outer end of said recess, said fitting having a passageway therethrough for the flow of oil from said bucket, said bottom of said bucket having a raised portion extending circumferentially about said recess therein, and said sidewall of said bucket including a plurality of inwardly extending recesses circumferentially spaced apart thereabout.

13. A container according to claim 12, wherein said passageway has an outlet end in said outer end of said fitting and extending at an acute angle to horizontal.

14. A container according to claim 13, and a strainer on said inner end of said fitting and extending radially inwardly of said recess in the bottom of the bucket.

15. A container according to claim 1, wherein said interengaging means includes a plurality of first locking members extending outwardly of said upper end of said pan and a plurality of second locking members extending inwardly of said upper end of said bucket, a portion of a second locking member overlying at least a portion of a first locking member when interengaged therewith.

16. A container according to claim 15, wherein each of said first and second locking members has circumferentially opposite ends, one of the ends of at least one of the second locking members including a stop for limiting sliding displacement of a first locking member relative thereto in the direction of interengagement.

17. A container according to claim 15, wherein said interengaging means further includes an upright wall for each second locking member spaced outwardly of said upper end of said bucket, and said second locking member extending radially inwardly from said upright wall.

18. A container according to claim 17, wherein the upright walls are diametrically opposed, a bail plate on each upright wall, and a bail for lifting said bucket, said bail having opposite ends each interengaged with a different one of the bail plates.

19. A container according to claim 18, wherein said bail plate has intersecting vertical and horizontal slots therethrough, the horizontal slot having a length greater than the length of the vertical slot, each end of said bail being U-shaped and terminating in a leg having a length shorter than the length of said horizontal slot and longer than the length of said vertical slot.

20. A container according to claim 19, wherein said bail plate has outer and inner sides and a pair of fingers spaced above said vertical slot and extending inwardly of said inner side, said pair of fingers being spaced apart horizontally to provide a space therebetween, said vertical slot having an upper end engaging with the bight of the corresponding bail end for said bail to support said bucket, and said leg of said bail end extending into said space to preclude pivotal displacement between said bucket and bail when said bail supports the bucket.

21. A container according to claim 20, wherein each of said first and second locking members has circumferentially opposite ends, one of the ends of at least one of the second locking members including a stop for limiting sliding displacement of a first locking member relative thereto in the direction of interengagement.

22. A container according to claim 21, wherein said upper end of said pan includes at least one stop for limiting sliding displacement of a first locking member relative to a second locking member in the direction of disengagement therebetween.

23. A container according to claim 22, and an annular seal interposed between said upper end of said bucket and said upper end of said pan, said seal including an annular sealing lip engaging the sidewall of the pan.

24. A container according to claim 23, wherein the undersides of said second locking members include a dimple engaging with the underlying first locking member during sliding engagement therebetween.

25. A container for an oil dispenser comprising, a bucket of plastic material having a bottom wall, a sidewall extending about said bottom wall and upwardly therefrom, and an annular rim at the upper end of said sidewall, a pan of plastic material in said bucket and having an apertured bottom wall spaced above said bottom of said bucket, a sidewall inwardly of said sidewall of said bucket and an annular rim at the upper end of said sidewall of said pan extending radially outwardly thereof and overlying said annular rim of the bucket, said pan including first locking members extending radially outwardly from the rim thereof at locations spaced apart circumferentially thereabout, said bucket including second locking members circumferentially spaced apart about the rim thereof and extending radially inwardly of the first locking members, and said pan being circumferentially displaceable relative to said bucket to selectively position said first locking members in engaging and disengaging relationship with said second locking members to respectively interengage said bucket and pan against separation and release said pan for separation from said bucket.

26. A container according to claim 25, wherein said sidewall of said bucket includes a plurality of inwardly extending recesses circumferentially spaced apart thereabout and having lower ends adjacent the bottom wall of the bucket and upper ends adjacent the annular rim thereof.

27. A container according to claim 26, wherein said lower ends are circumferentially wider than said upper ends and said plurality of recesses includes four recesses in diametrically opposed pairs.

28. A container according to claim 25, wherein said bottom wall of said bucket includes a plurality of feet circumferentially spaced apart thereabout for supporting the bucket on an underlying surface.

29. A container according to claim 28, wherein the bottom wall of the bucket is curved arcuately upwardly between circumferentially adjacent ones of said feet and said plurality of feet includes four feet in diametrically opposed pairs.

30. A container according to claim 29, wherein the bottom wall of the bucket includes an arcuate portion curved upwardly in the direction between diametrically opposite ones of said feet, said bottom wall of the bucket further including a radially extending recess in said arcuate portion having an outer end adjacent one of said feet, and a bulkhead fitting mounted on the sidewall of the bucket and having an inner end adjacent the outer end of said radially extending recess and an outer end outside of the sidewall of the bucket, and said fitting having a passageway therethrough for the flow of oil from the bucket.

31. A container according to claim 30, wherein said passage has an outlet end in said outer end of said fitting and extending upwardly at an acute angle to horizontal.

32. A container according to claim 31, wherein said acute angle is 45°.

33. A container according to claim 25, wherein said bucket includes a pair of diametrically opposed upright walls each spaced radially outwardly of and connected to the sidewall

of the bucket adjacent the rim thereof, a metal bail plate on each upright wall, and a bail for lifting the bucket and having opposite ends each interengaged with a different one of the bail plates.

34. A container according to claim 33, wherein said bail plate has intersecting vertical and horizontal slots therethrough, the horizontal slot having a length greater than the length of the vertical slot, each end of said bail being U-shaped and terminating in a leg having a length shorter than the length of said horizontal slot and longer than the length of said vertical slot.

35. A container according to claim 34, wherein said second locking members include a pair of second locking members each extending inwardly from a different one of said upright walls.

36. A container according to claim 35, wherein each bail plate is embedded in the corresponding upright wall and wherein said bail plate has outer and inner sides and a pair of fingers spaced above said vertical slot and extending inwardly transverse to said inner side, said pair of fingers being spaced apart horizontally to provide a space therebetween, said vertical slot having an upper end engaging with the bight of the corresponding bail end for said bail to support said bucket, and said leg of said bail end extending into said space to preclude pivotal displacement between said bucket and bail when said bail supports the bucket.

37. A container according to claim 25, wherein said first locking members are a pair of diametrically opposed locking members on said rim of said pan, said bucket including a pair of diametrically opposed locking member supports each including circumferentially spaced apart end walls extending radially outwardly from the sidewall of the bucket and having upper ends at the rim of the bucket, each second locking member extending between the end walls of a different one of said locking member supports and radially inwardly to overlies a corresponding one of said first locking members when the first and second locking members are in engaging relationship.

38. A container according to claim 37, wherein a corresponding one of the end walls of each locking member support includes an opening for circumferentially receiving said corresponding one of said first locking members beneath the second locking member of the corresponding locking member support.

39. A container according to claim 38, wherein at least one of the other end walls of one of said locking member supports is positioned to be engaged by a first locking member to limit circumferential displacement of the pan relative to the bucket in the direction of engagement therebetween.

40. A container according to claim 37, wherein said rim of said pan includes a stop member for engaging one of said locking member supports to limit circumferential displacement of the pan relative to the bucket in the direction of disengagement therebetween.

41. A container according to claim 40, wherein said rim of said pan includes at least one group of circumferentially adjacent ribs projecting outwardly of the rim.

42. A container according to claim 41, wherein said at least one group includes four groups in diametrically opposed pairs of groups and said at least one group of ribs extends from said stop member in the direction opposite said direction of disengagement.

43. A container according to claim 42, wherein a corresponding one of the end walls of each locking member support includes an opening for circumferentially receiving said corresponding one of said first locking members beneath the second locking member of the corresponding locking member support, and at least one of the other end walls of one of said locking member supports being positioned to be engaged by a first locking component to limit circumferential displacement of the pan relative to the bucket in the direction of engagement therebetween.



44. A container according to claim 25, wherein said sidewall of said bucket has a bulkhead mounting recess adjacent the bottom wall thereof, said mounting recess including an apertured planar wall having radially inner and outer sides, a bulkhead fitting extending through the aperture in the planar wall and having a shoulder engaging against said outer side, said planar wall having an annular recess underlying said shoulder, and a resilient sealing element in said annular recess and compressively engaged between said shoulder and said recess.

45. A container according to claim 44, wherein said shoulder is a first shoulder and said fitting has an abutment shoulder adjacent the inner side of said planar wall, a washer engaging said abutment shoulder and said inner side of said planar wall, and a fastener engaging against said washer to capture said planar wall between said washer and said first shoulder, said first shoulder and said abutment shoulder being spaced apart to limit compression of said planar wall.

46. A container according to claim 45, wherein said bulkhead fitting has inner and outer ends and a passageway therethrough, said passageway having an outlet end at said outer end of said fitting extending at an acute angle to horizontal, and a strainer on said inner end of said fitting.

47. A container according to claim 25, and a sealing ring interposed between said rim of said bucket and said rim of said pan and including an annular sealing flange engaging the sidewall of said pan.

48. A container according to claim 47, wherein said sealing ring is mounted on the rim of said bucket and has an inverted U-shaped body portion providing a downwardly open recess receiving said rim of said bucket and inner and outer legs engaging the rim of the bucket, said annular sealing flange extending radially inwardly from said inner leg and sealingly engaging the sidewall of said pan.

49. A container for an oil dispenser comprising, a bucket of plastic material having a bottom wall, a sidewall extending about said bottom wall and upwardly therefrom, and an annular rim at the upper end of said sidewall, a pan of plastic material in said bucket and having an apertured bottom wall spaced above said bottom wall of said bucket, a sidewall inwardly of said sidewall of said bucket and an annular rim at the upper end of said sidewall of said pan extending radially outwardly thereof and overlying said annular rim of the bucket, a pair of diametrically opposed first locking members on said rim of said pan, said bucket including a pair of diametrically opposed locking member supports each including circumferentially spaced apart end walls extending radially outwardly from the sidewall of the bucket and having upper ends at the rim of the bucket, a pair of second locking members each extending between the end walls of a different one of said locking member supports and radially inwardly thereof, said pan being circumferentially displaceable relative to said bucket to selectively position said first locking members in engaging and disengaging relationship with said second locking members to respectively interengage said bucket and pan against separation and release said pan for separation from said bucket, and said second locking members extending radially inwardly to overlie a corresponding one of said first locking members when the first and second locking members are in engaging relationship.

50. A container according to claim 49, wherein said bucket includes an upright wall at the radially outer ends of the end walls of each locking member support, a metal bail plate embedded in each upright wall, each bail plate having intersecting vertical and horizontal slots therethrough, the horizontal slots being longer than the vertical slots, a bail having opposite ends each interengaged with a different one of the bail plates, each end of said bail being U-shaped and terminating in a leg having a length shorter than the length of the horizontal slot and longer than the length of the vertical slot.

51. A container according to claim 49, wherein said sidewall of said bucket includes diametrically opposed pairs of inwardly extending recesses circumferentially spaced apart thereabout and having lower ends adjacent the bottom wall of the bucket and upper ends adjacent the annular

5 rim thereof, said lower ends being circumferentially wider than said upper ends, said bottom wall of said bucket including diametrically opposed pairs of feet for supporting the bucket on an underlying surface, said bottom wall being curved arcuately upwardly between circumferentially adjacent ones of said feet and including an arcuate portion curved upwardly in the direction between diametrically opposite ones of said feet.

52. A container according to claim 51, wherein the bottom wall of said bucket further includes a radially extending recess in said arcuate portion having an outer end adjacent one of said feet, and a bulkhead fitting mounted on the sidewall of the bucket and having an inner end adjacent the outer end of the recess and an outer end outside of the sidewall of the bucket, said fitting having a passageway therethrough for the flow of oil from the bucket, and said passageway having an outlet end in said outer end of said fitting extending upwardly at a 45° angle to horizontal.

53. A container according to claim 52, wherein said sidewall of said bucket has a bulkhead mounting recess adjacent the bottom wall thereof, said mounting recess including an apertured planar wall having radially inner and outer sides, said bulkhead fitting extending through the aperture in the planar wall and having a first shoulder engaging against said outer side, said planar wall having an annular recess underlying said first shoulder, and a resilient sealing element in said annular recess and compressively engaged between said shoulder and said recess, said fitting having an abutment shoulder adjacent the inner side of said planar wall, a washer engaging said abutment shoulder and said inner side of said planar wall, and a fastener engaging against said washer to capture said planar wall between said washer and said first shoulder, said first shoulder and said abutment shoulder being spaced apart to limit compression of said planar wall.

54. A container according to claim 49, wherein a corresponding one of the end walls of each locking member support includes an opening for circumferentially receiving said corresponding one of said first locking members beneath the second locking member of the corresponding locking member support, at least one of the other end walls of one of said locking member supports being

5 positioned to be engaged by a first locking component to limit circumferential displacement of the pan relative to the bucket in the direction of engagement therebetween, and said rim of said pan including a stop member for engaging one of said locking member supports to limit circumferential displacement of the pan relative to the bucket in the direction of disengagement therebetween.

55. A container according to claim 54, wherein said rim of said pan includes four groups of circumferentially adjacent ribs in diametrically opposed pairs, and at least one of said groups of ribs extending from said stop member in the direction opposite said direction of disengagement.

56. A container according to claim 49, and a sealing ring interposed between the rim of the bucket and the rim of the pan and including an inverted U-shaped body portion providing a downwardly open recess receiving said rim of said bucket and inner and outer legs engaging the rim of the bucket, and an annular sealing flange extending radially inwardly from said inner leg and  
5 sealingly engaging the sidewall of the pan:

57. In a container for an oil dispenser comprising, a bucket for oil to be dispensed, said bucket having a bottom, a side wall and an annular upper end, a pan in said bucket and having an apertured bottom spaced above the bottom of said bucket, a sidewall inwardly of the sidewall of said bucket and an upper end overlying the upper end of said bucket, and a bulkhead fitting on the  
5 sidewall of the bucket adjacent the bottom thereof, the improvement comprising: said fitting having an outlet extending outwardly and upwardly of said sidewall of the bucket at an acute angle to horizontal.

58. The improvement according to claim 57, wherein said angle is 45°.

59. The improvement according to claim 57, wherein said sidewall of said bucket has a bulkhead mounting recess adjacent the bottom wall thereof, said mounting recess including an apertured planar wall having radially inner and outer sides, said bulkhead fitting extending through

5 the aperture in the planar wall and having a first shoulder engaging against said outer side, said planar wall having an annular recess underlying said first shoulder, and a resilient sealing element in said annular recess and compressively engaged between said shoulder and said recess.

60. The improvement according to claim 59, wherein said fitting has an abutment shoulder adjacent the inner side of said planar wall, a washer engaging said abutment shoulder and said inner side of said planar wall, and a fastener engaging against said washer to capture said planar wall between said washer and said first shoulder.

61. The improvement according to claim 60, wherein said first shoulder and said abutment shoulder are spaced apart to limit compression of said planar wall.

62. The improvement according to claim 61, wherein said angle is 45°.